

**Table S1:** Best fit regression model for fall of z-score at 28 days of life in Group 1 and 2. After taking into account clinical and nutritional factors that influence growth (gestational age, need for oxygen during admission, IUGR, fluid intake during the first week, average protein and lipid in PN during the first week), only gestational age, IUGR, intravenous lipid during the 1st week and the Period of study were associated to fall in weight z-score at 28 dol.

Summary of model coefficients	Adjusted R square	p	Variables in the equation	Standardized (B) and 95% IC	p
Step 1	0.170	<0.001	Gestational age (weeks)	0.196	0.007
			IUGR	-0.316	<0.001
			Average lipid on PN	0.171	0.022
			Group	0.219	0.001

IUGR: intrauterine growth restriction, PN: parenteral nutrition, dol: days of life

**Table S2:** Results of the binary logistic regression analysis of the risk of NEC. We performed backwards stepwise selection, with removal based on the maximum partial likelihood estimates and starting with variables that were different between Group 1 and 2 or that were possible confounders.

Summary of model coefficients	Nagelkerke R square	p (Omnibus test)	Variables in the equation	Exp(B) and 95% IC	p
Step 1	0.294	0.002	Gestational age (weeks)	0.639 (0.445- 0.916)	0.015
			Group	3.431 (0.823- 14.301)	0.091
			SGA	11.516 (2.102- 63.103)	0.005
			Days on mechanical ventilation	0.980 (0.920- 1.044)	0.528
			Days on oxygen	0.994 (0.967- 1.022)	0.668
			Surgical treatment for PDA	3.574 (0.621- 20.570)	0.154
			Cesarean section	1.463 (0.359- 5.967)	0.595
			Full steroid course	1.437 (0.367- 5.631)	0.603
			Constant	5460.002	0.097
Step 2	0.291	0.001	Gestational age (weeks)	0.648 (0.455- 0.924)	0.016
			Group	3.418 (0.824- 14.172)	0.090
			SGA	11.427 (2.077- 62.854)	0.005
			Days on mechanical ventilation	0.971 (0.926- 1.018)	0.224
			Surgical treatment for PDA	3.510 (0.617- 19.961)	0.157
			Cesarean section	1.561 (0.392- 6.208)	0.528
Full steroid course	1.438 (0.368- 5.623)	0.602			

			Constant	3286.537	0.109
Step 3	0.288	0.001	Gestational age (weeks)	0.640 (0.450- 0.911)	0.013
			Group	3.749 (0.928- 15.148)	0.064
			SGA	11.545 (2.105- 63.321)	0.005
			Days on mechanical ventilation	0.972 (0.927- 1.019)	0.232
			Surgical treatment for PDA	3.358 (0.595- 18.944)	0.170
			Cesarean section	1.685 (0.441- 6.437)	0.445
			Constant	4886.0143	0.090
Step 4	0.282	<0.001	Gestational age (weeks)	0.634 (0.444- 0.904)	0.012
			Group	3.754 (0.947- 14.879)	0.060
			SGA	9.734 (1.941- 48.814)	0.006
			Days on mechanical ventilation	0.972 (0.927- 1.019)	0.232
			Surgical treatment for PDA	3.466 (0.635- 18.905)	0.151
			Constant	8208.867	0.072
			Step 5	0.264	<0.001
Group	3.365 (0.861- 13.148)	0.081			
SGA	7.233 (1.556- 33.628)	0.012			
Surgical treatment for PDA	1.952 (0.422- 9.020)	0.392			
Constant	554.021	0.155			
Step 6	0.256	<0.001	Gestational age (weeks)	0.650 (0.496- 0.851)	0.002
			Group	4.026 (1.091- 14.847)	0.036
			SGA	8.634 (1.986- 37.535)	0.004
			Constant	4089.125	0.026

SGA: small for gestational age, PDA: patent ductus arteriosus